

FIG. 1A

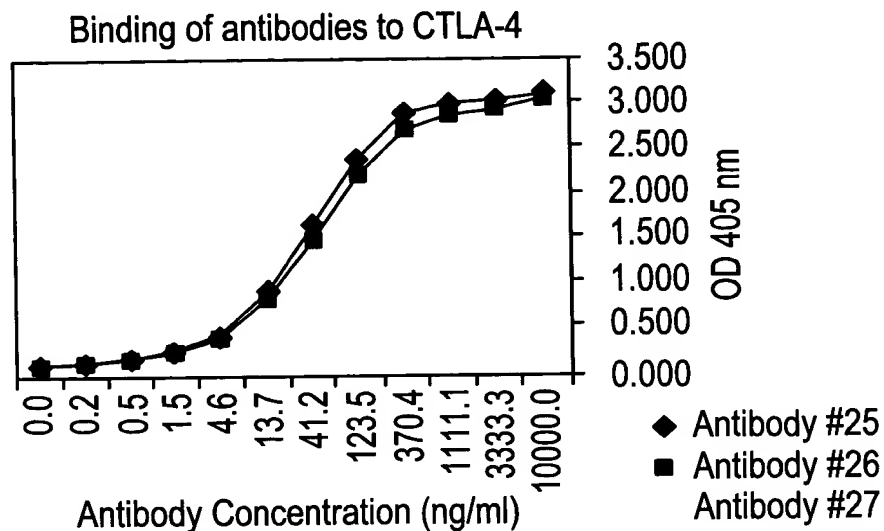


FIG. 1B

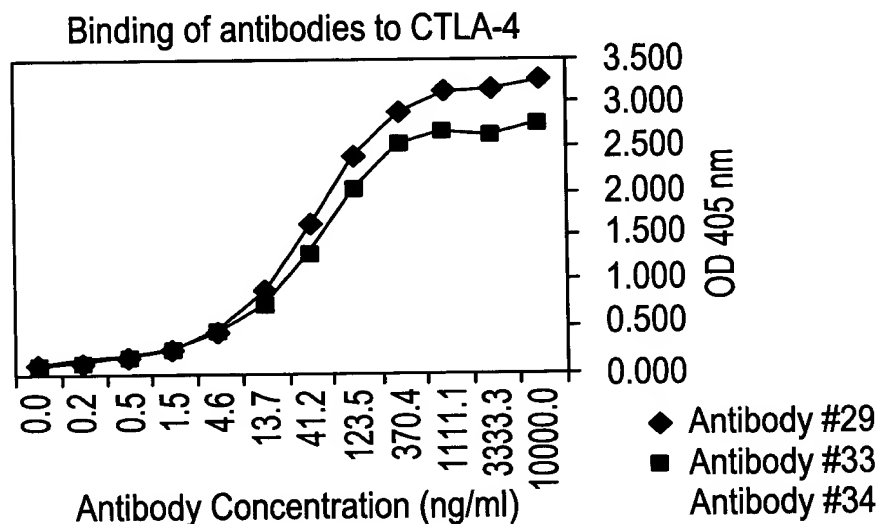


FIG. 1C

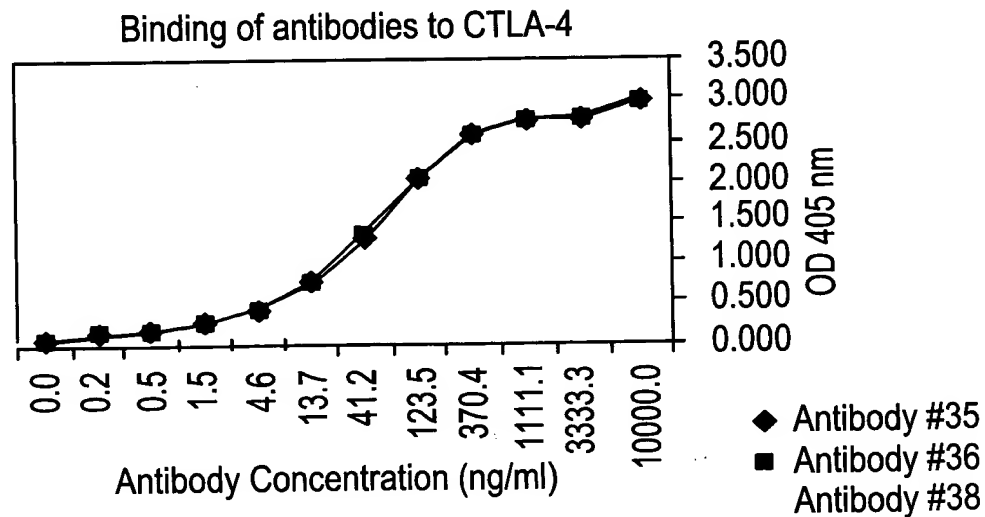


FIG. 1D

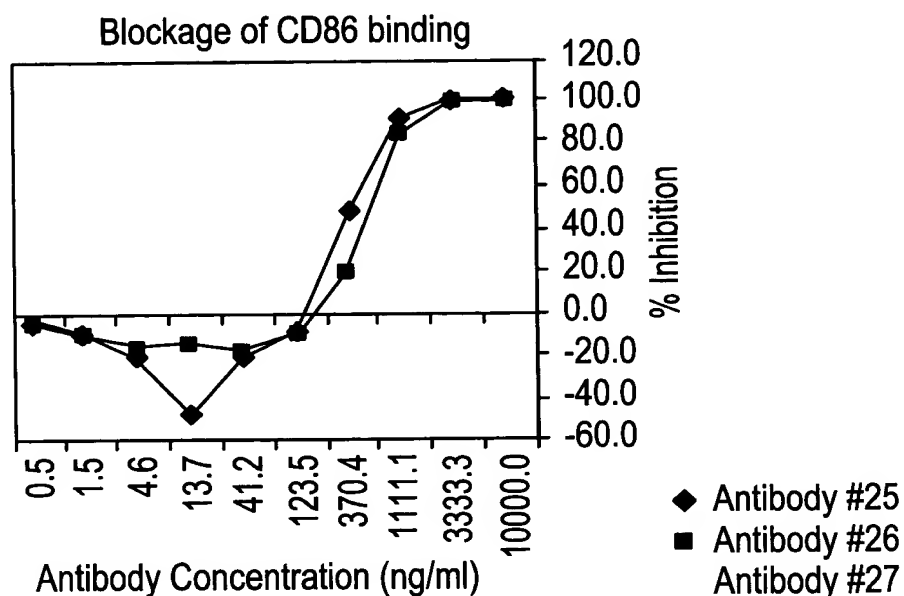


FIG. 1E

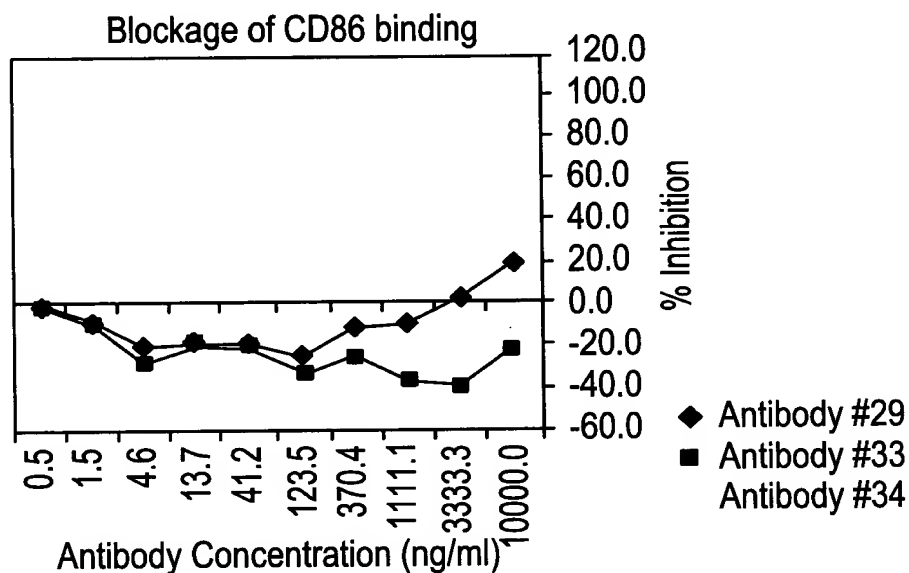


FIG. 1F

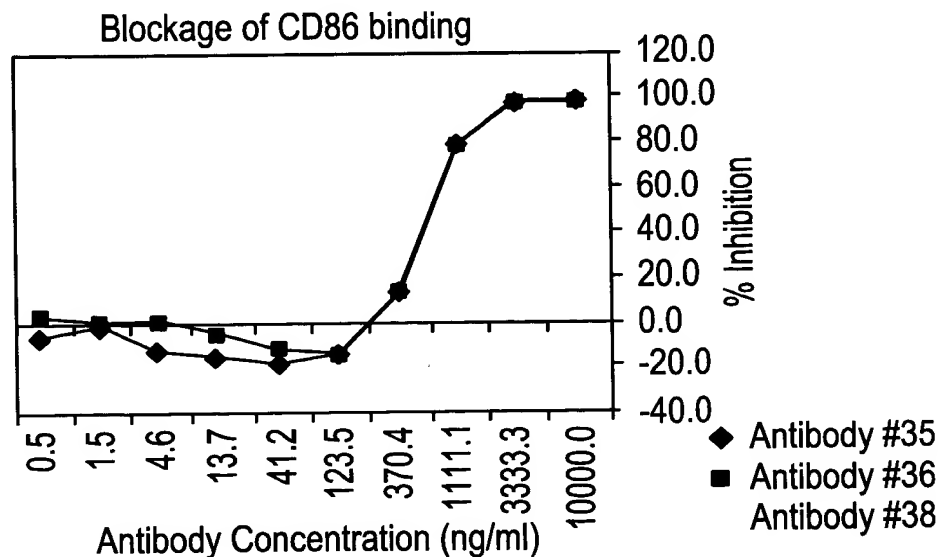


FIG. 1G

Blockage of CD80 binding

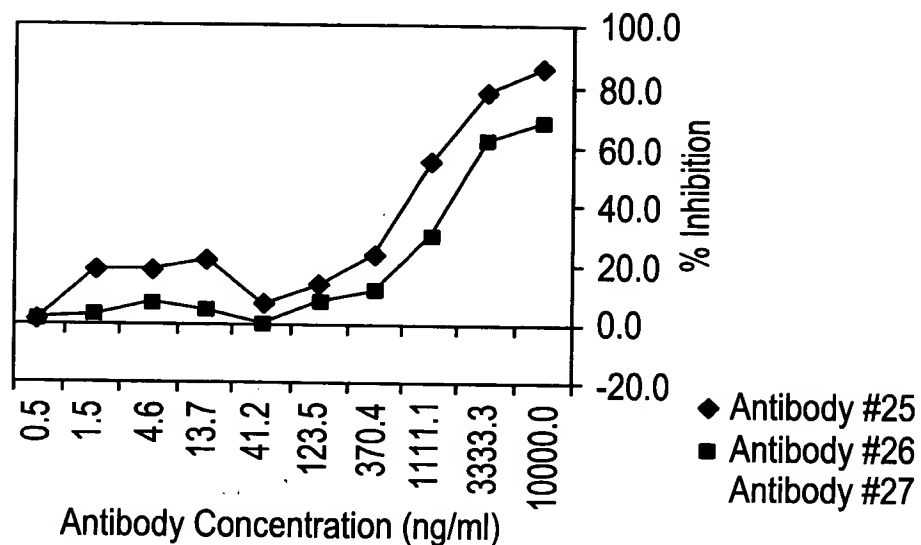


FIG. 1H

Blockage of CD80 binding

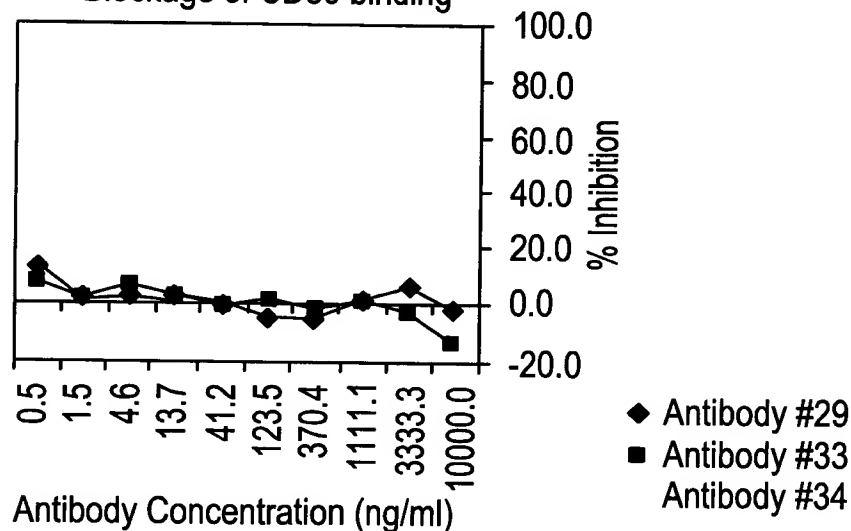


FIG. 1I

Blockage of CD80 binding

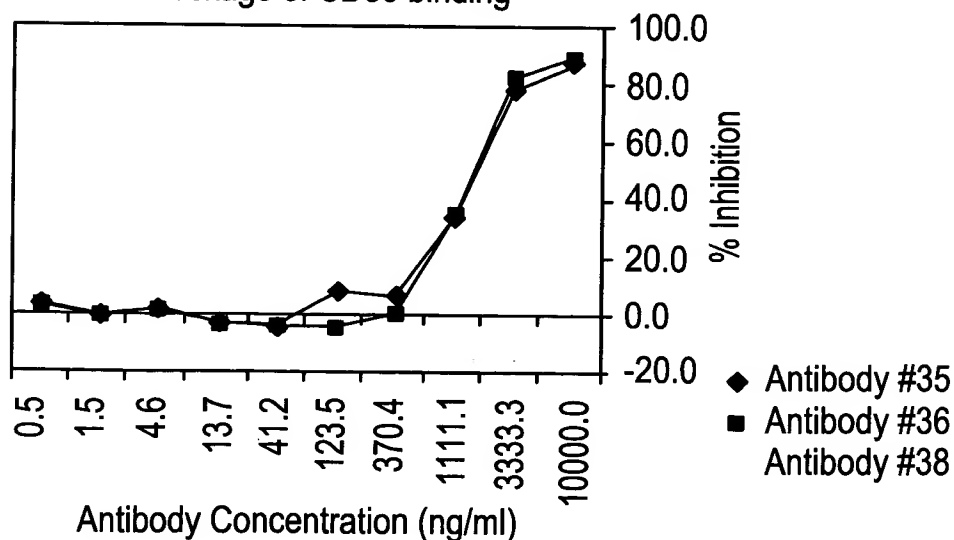


FIG. 2A

Anti-CTLA4 Abs #25, #26, and #29 defined three distinct epitopes on CTLA4

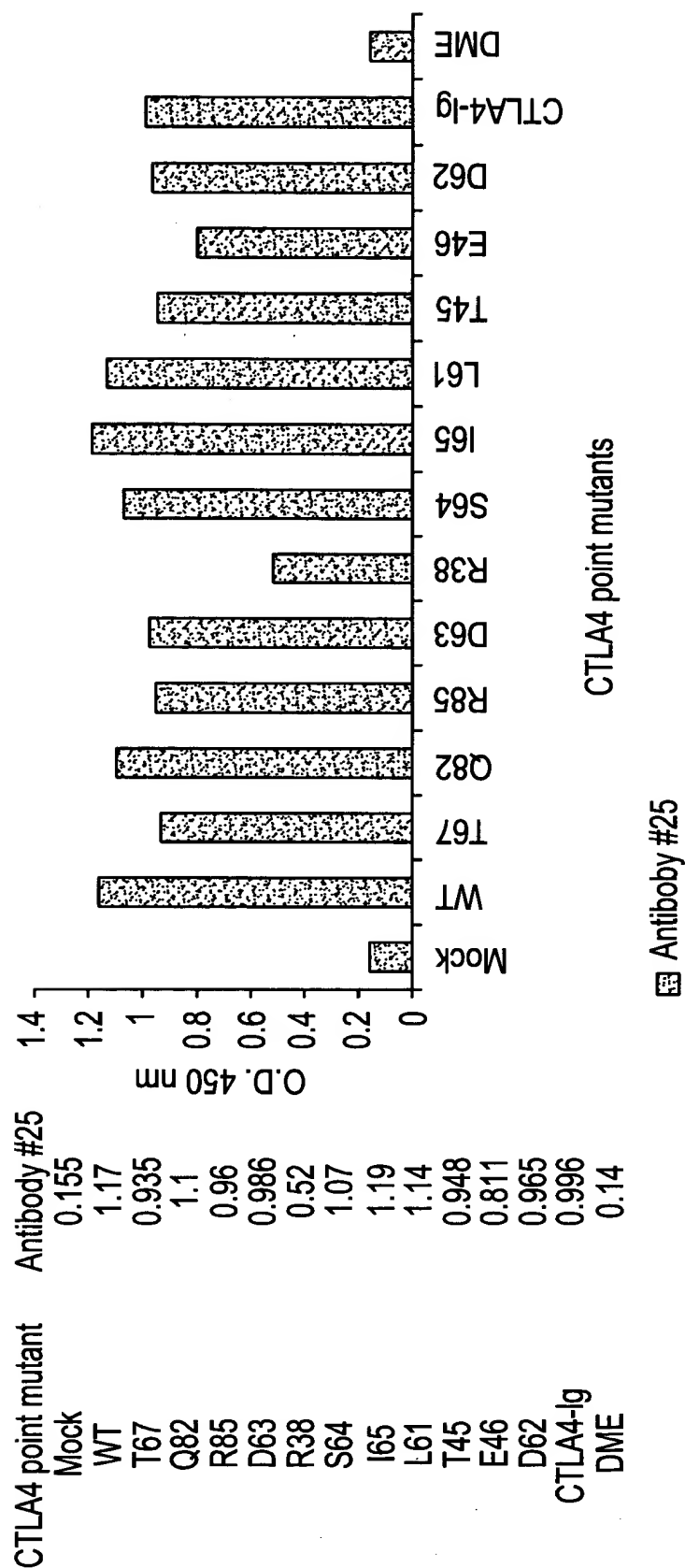


FIG. 2B

Anti-CTLA4 Abs #25, #26, and #29 defined three distinct epitopes on CTLA4

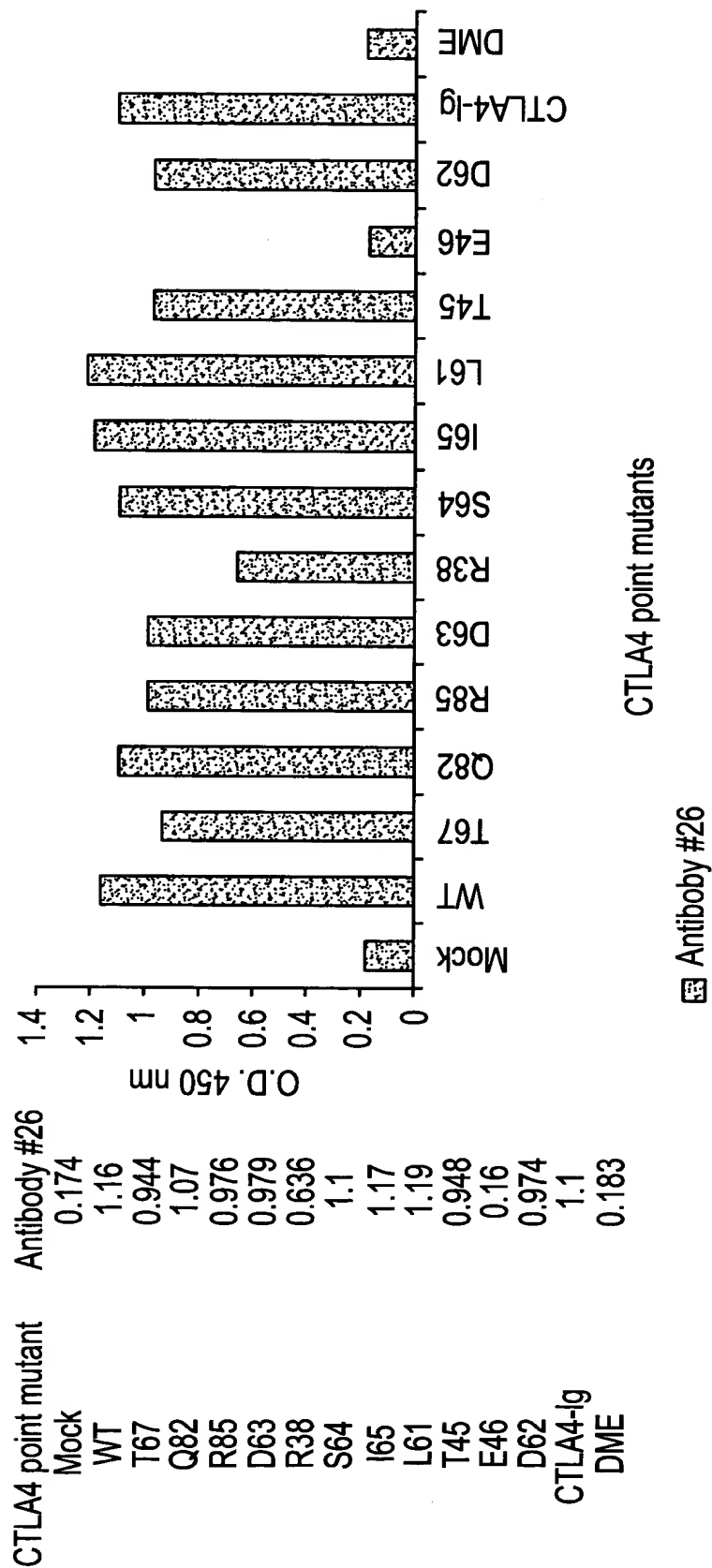


FIG. 2C

Anti-CTLA4 Abs #25, #26, and #29 defined three distinct epitopes on CTLA4

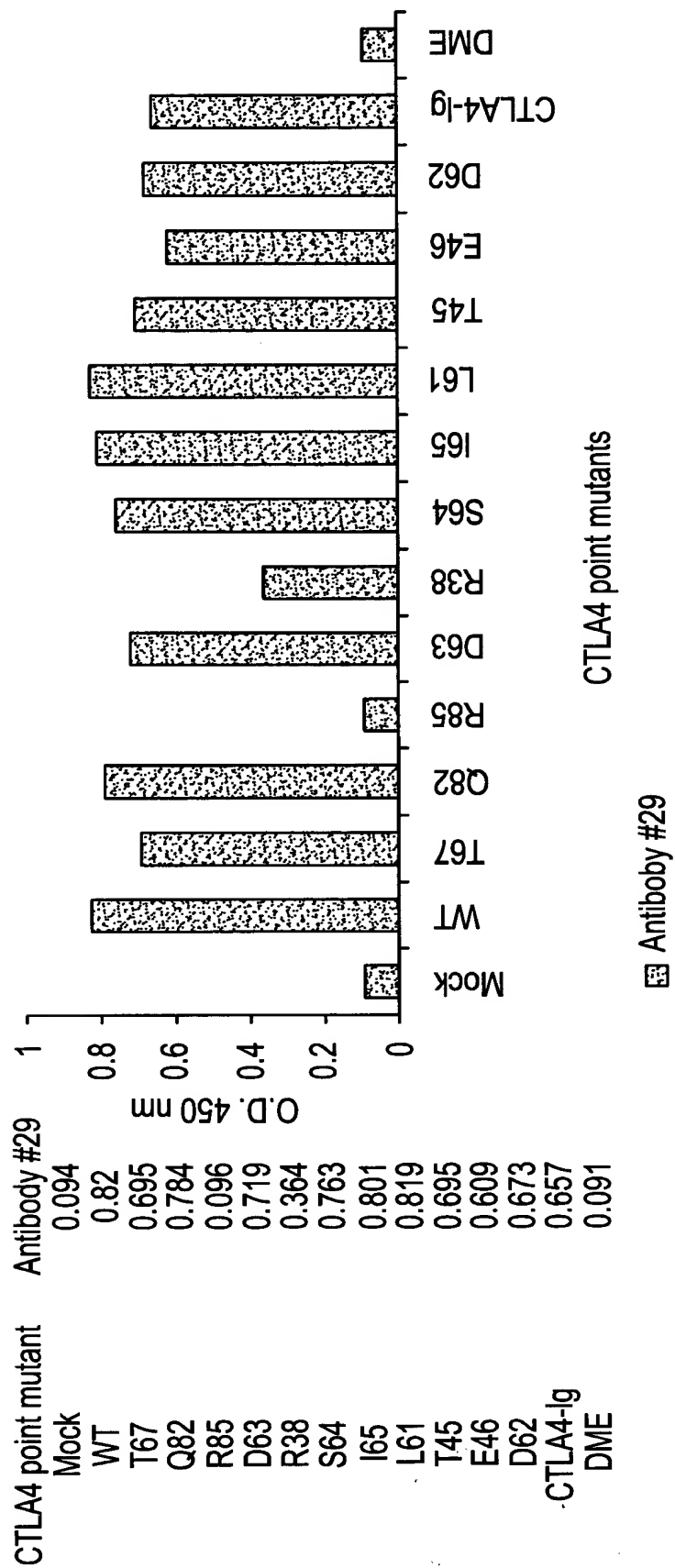


FIG. 3A

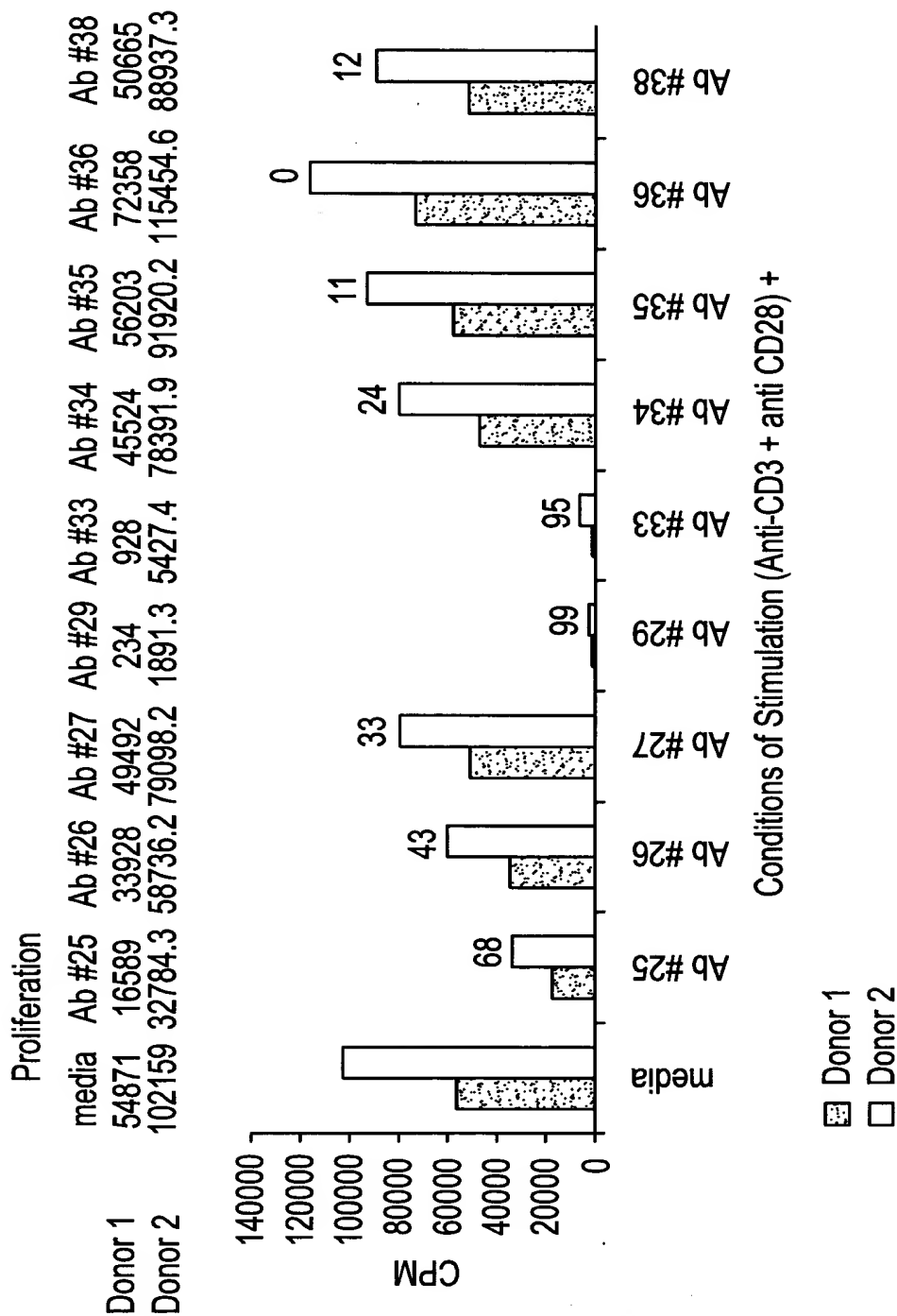
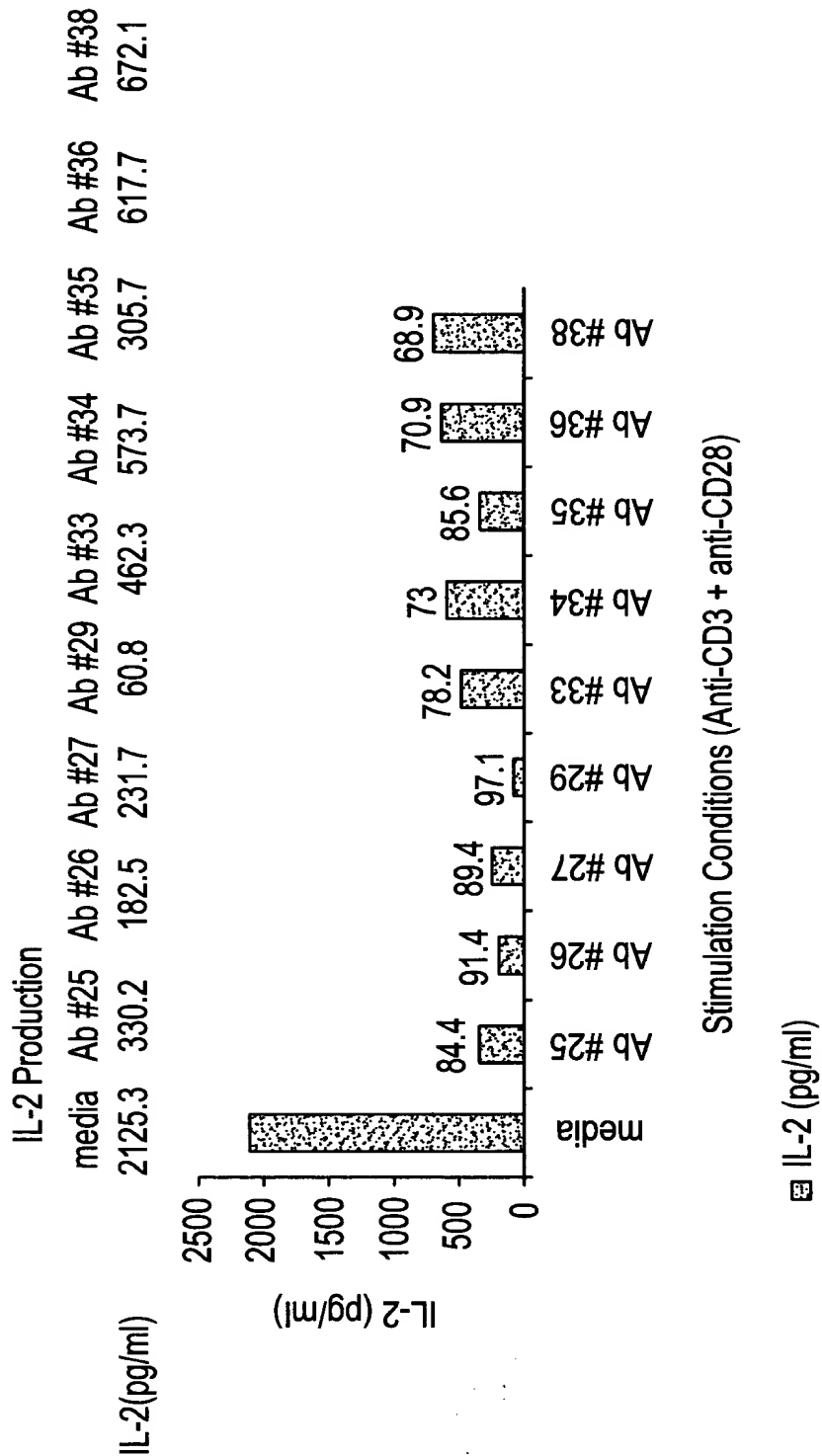


FIG. 3B



APPROVED	O. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 4A

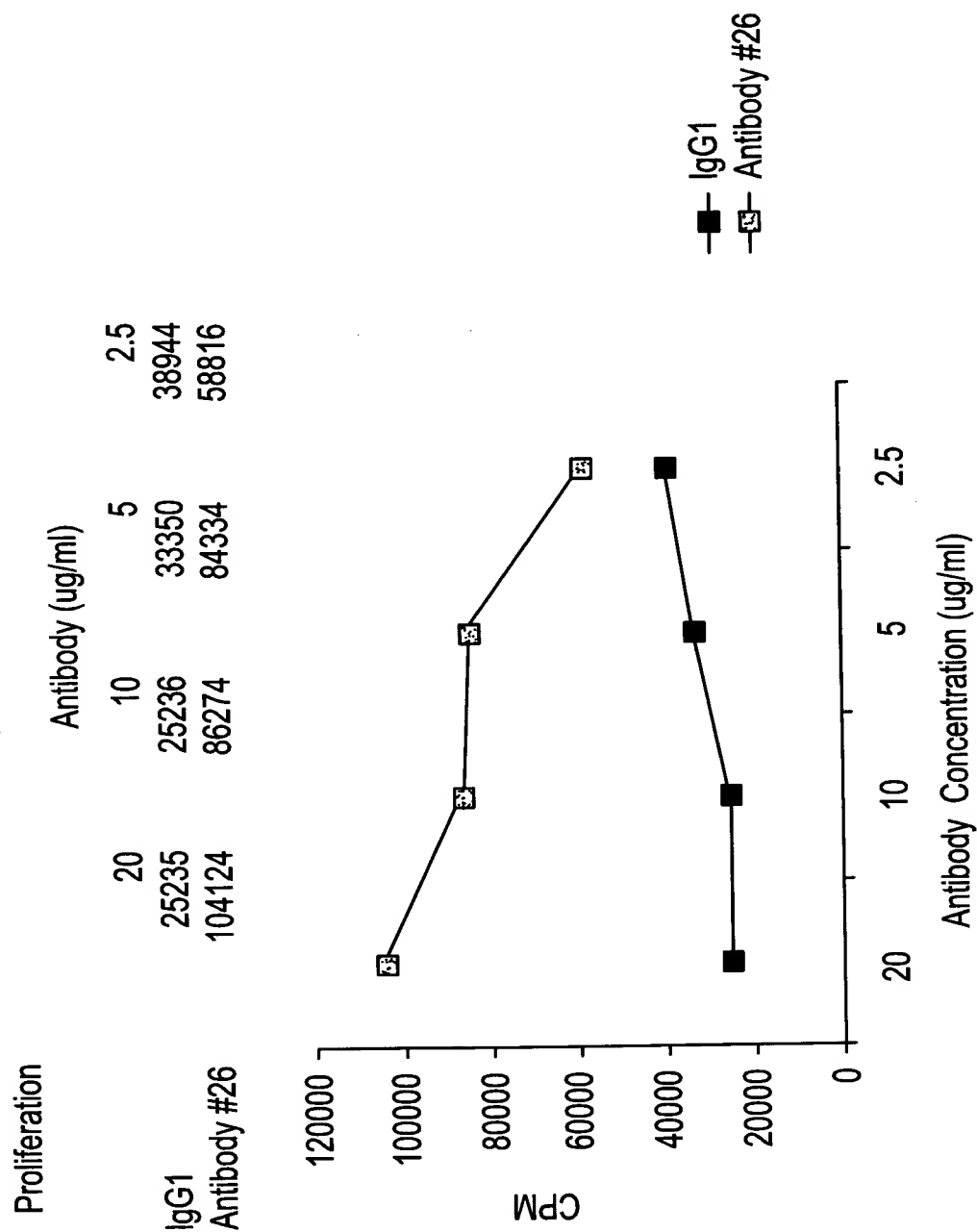
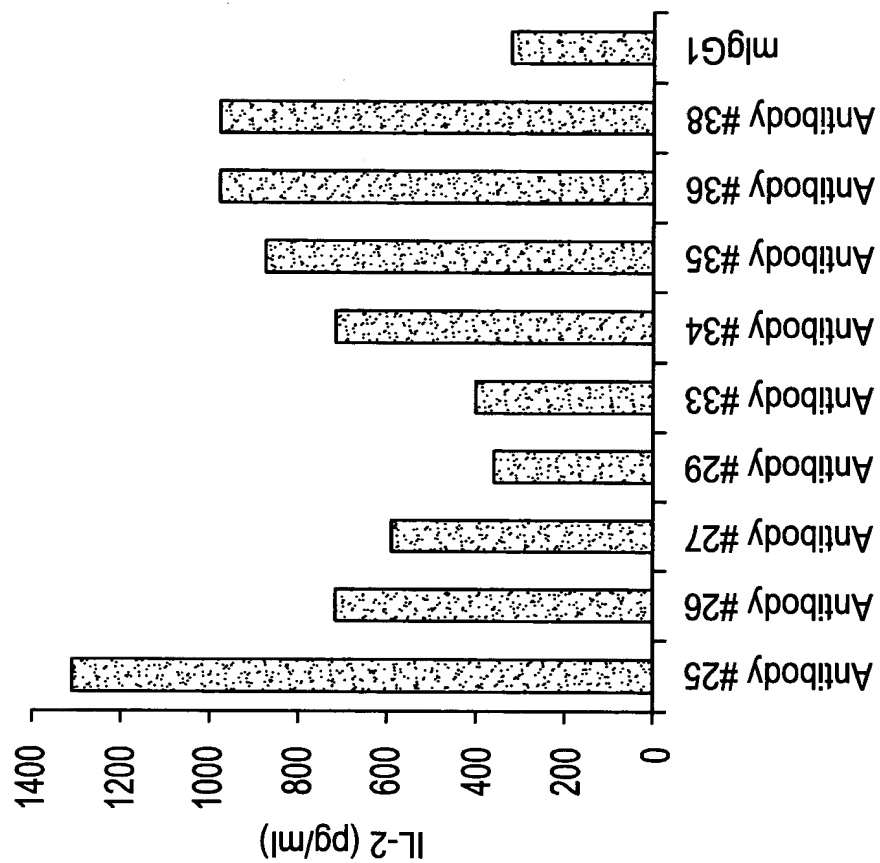


FIG. 4B



IL-2 Production

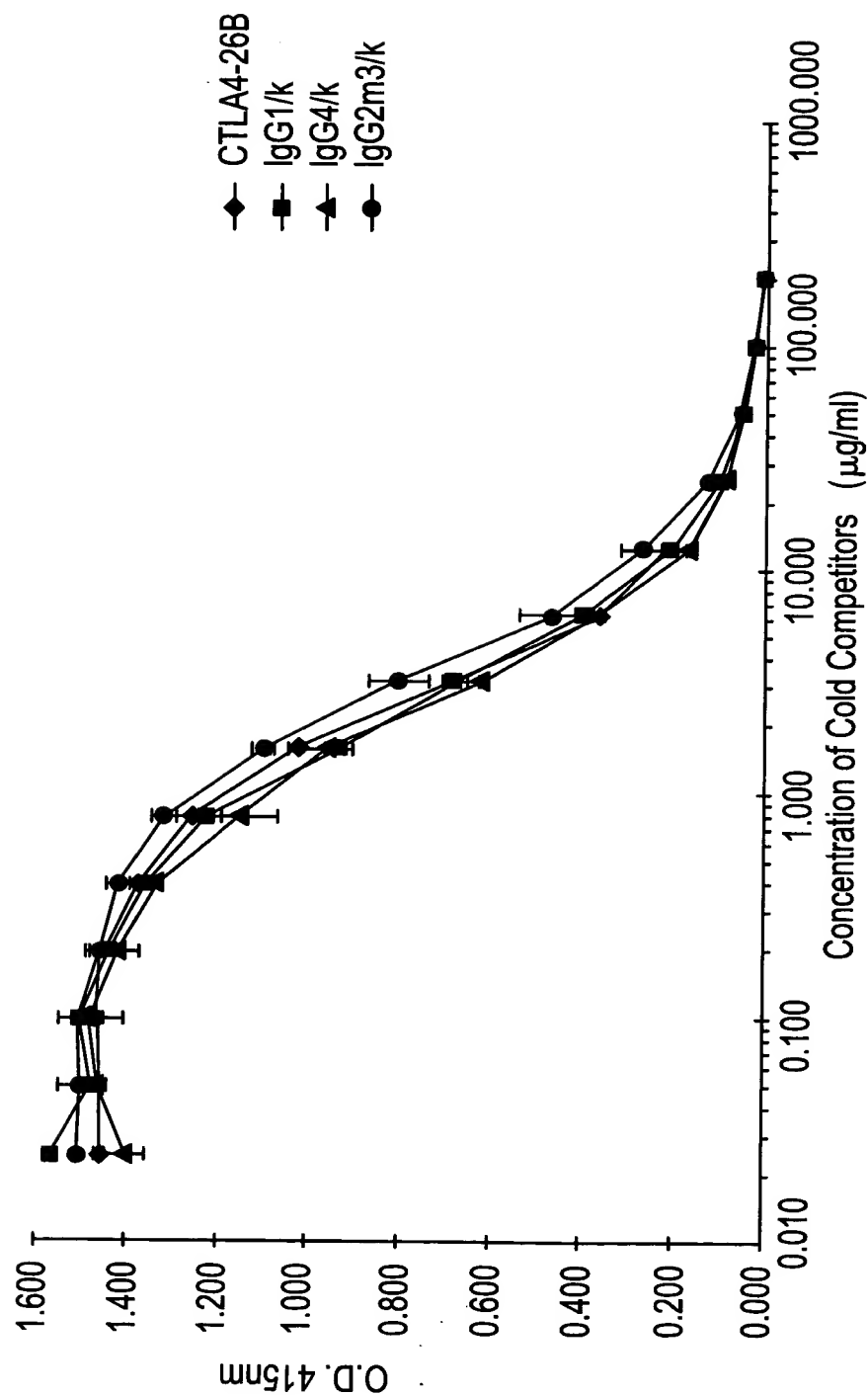
IL-2 (pg/ml)

Antibody #25
Antibody #26
Antibody #27
Antibody #29
Antibody #33
Antibody #34
Antibody #35
Antibody #36
Antibody #38
mIgG1

1310
720
594
358
400
715
875
982
982
317

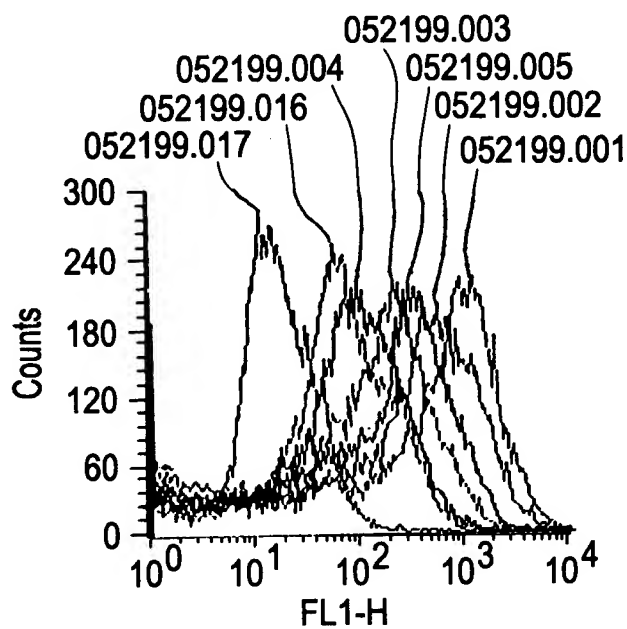
FIG. 5

ELISA Competition



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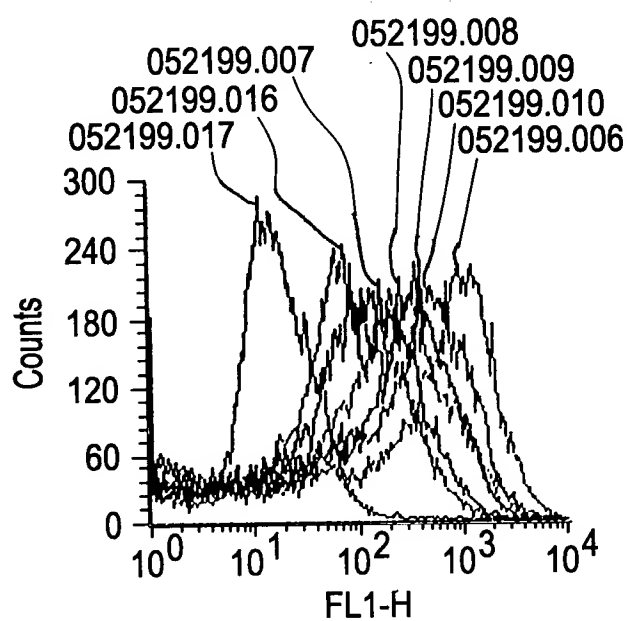
FIG. 6A



Key	Name	Parameter	Gate
—	052199.016	FL1-H	No Gate
—	052199.017	FL1-H	No Gate
—	052199.001	FL1-H	No Gate
—	052199.002	FL1-H	No Gate
—	052199.003	FL1-H	No Gate
—	052199.004	FL1-H	No Gate
—	052199.005	FL1-H	No Gate

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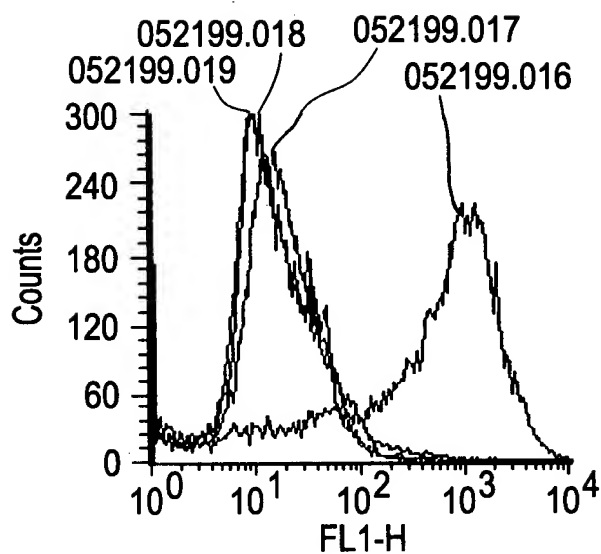
FIG. 6B



Key	Name	Parameter	Gate
—	052199.016	FL1-H	No Gate
—	052199.017	FL1-H	No Gate
—	052199.006	FL1-H	No Gate
—	052199.007	FL1-H	No Gate
—	052199.008	FL1-H	No Gate
—	052199.009	FL1-H	No Gate
—	052199.010	FL1-H	No Gate

APPROVED	O G. FIG.	
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FIG. 6C



Key	Name	Parameter	Gate
—	052199.016	FL1-H	No Gate
—	052199.017	FL1-H	No Gate
—	052199.018	FL1-H	No Gate
—	052199.019	FL1-H	No Gate

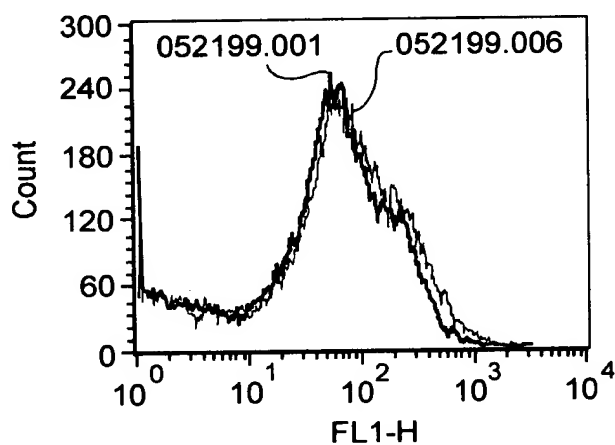
APPROVED	O. G. FIG.	
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FIG. 6D

Name	Cell Line	Primary Ab	Competitor
	CHO.CTLA4	FITC-CTLA4-26B	Cold CTLA4-26B
052199.001	↓	125 ng	2000 ng
052199.002		↓	1000 ng
052199.003			500 ng
052199.004			250 ng
052199.005			100 ng
			IgG1/k
052199.006			2000 ng
052199.007			1000 ng
052199.008			500 ng
052199.009			250 ng
052199.010			100 ng
052199.016			none
052199.017	↓	none	none
052199.018		125 ng	none
052199.019		none	none
	CHO.B7.1		

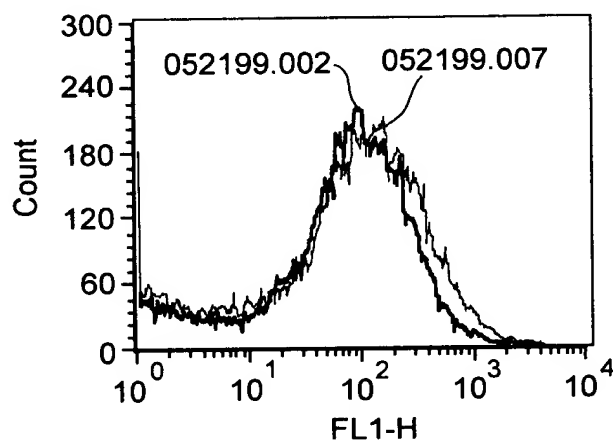
APPROVED	O G. FIG.	
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FIG. 7A



Key	Name	Parameter	Gate
—	052199.001	FL1-H	No Gate
—	052199.006	FL1-H	No Gate

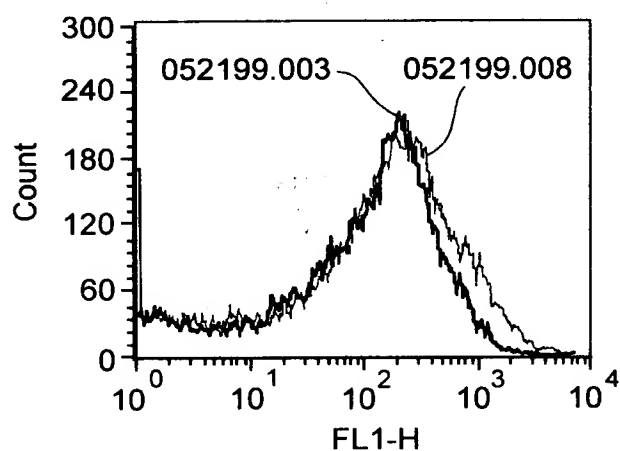
FIG. 7B



Key	Name	Parameter	Gate
—	052199.002	FL1-H	No Gate
—	052199.007	FL1-H	No Gate

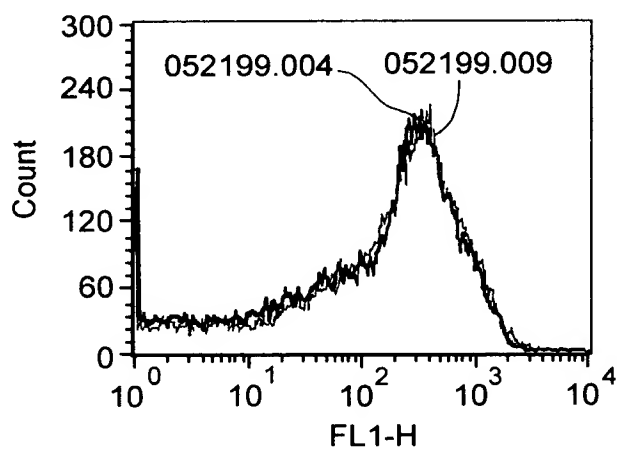
APPROVED	O G. FIG.	
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FIG. 7C



Key	Name	Parameter	Gate
—	052199.003	FL1-H	No Gate
—	052199.008	FL1-H	No Gate

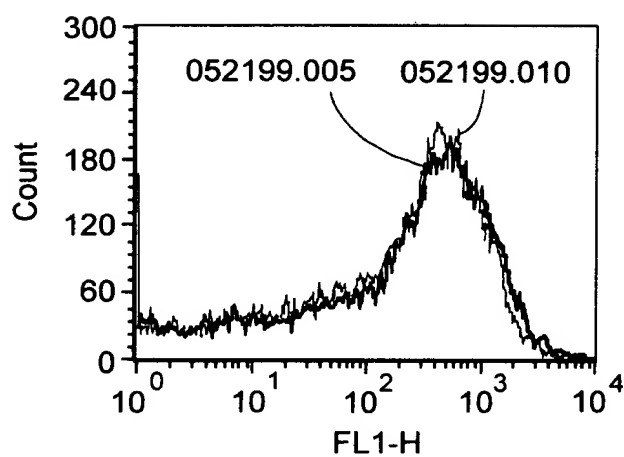
FIG. 7D



Key	Name	Parameter	Gate
—	052199.004	FL1-H	No Gate
—	052199.009	FL1-H	No Gate

APPROVED	O G. FIG.	
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FIG. 7E



Key	Name	Parameter	Gate
—	052199.005	FL1-H	No Gate
—	052199.010	FL1-H	No Gate

APPROVED	C. G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 8A

Jurkat CTLA4 NEGATIVE cell line

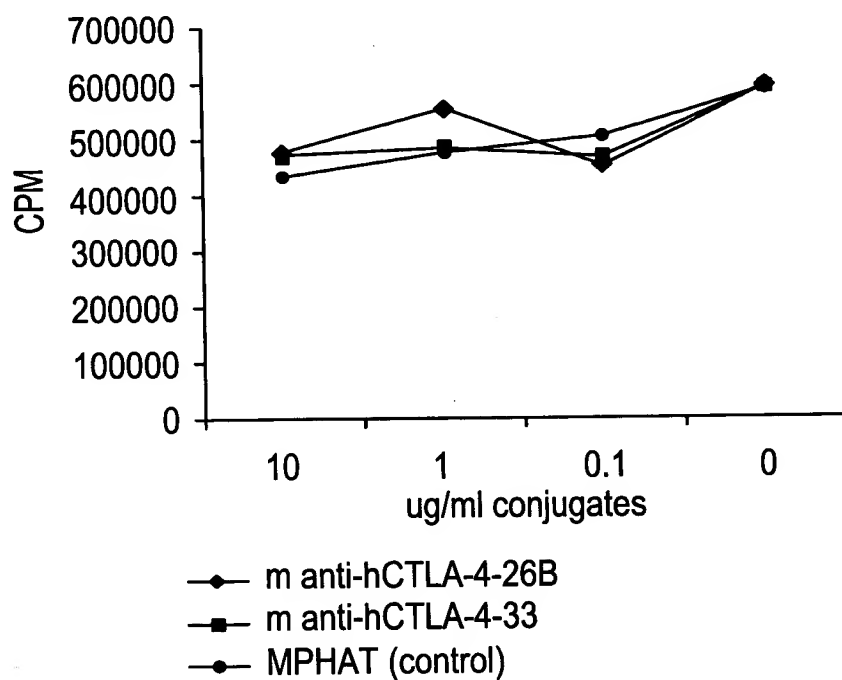
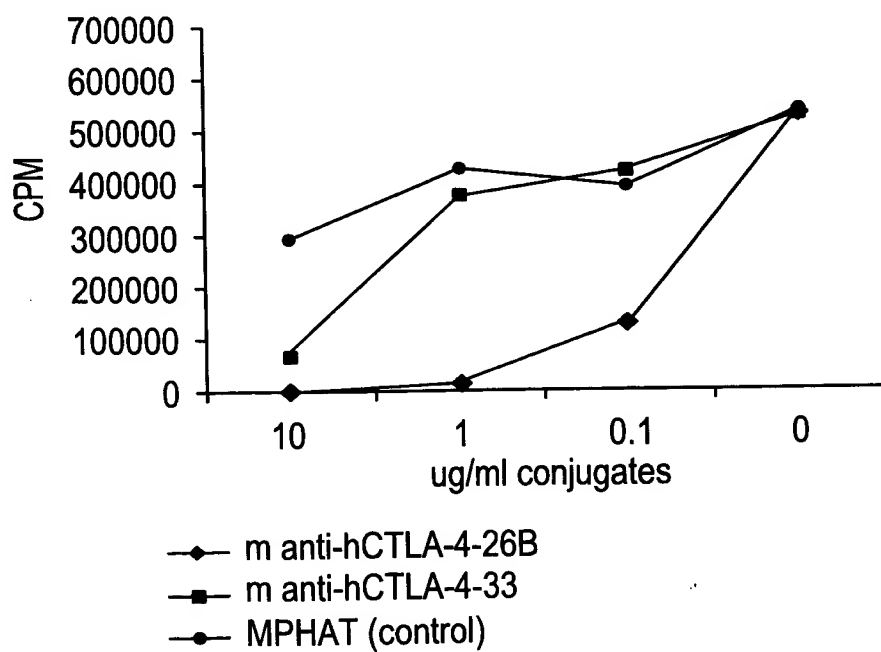


FIG. 8B

Jurkat CTLA-4 POSITIVE cell line



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FIG. 9

HuCTLA4-Vk

TATATCTAGACCACCATGGATTTTCAAGTGCAGATCTTCAGCTTCCTGCTAATCAGTGCC
M D F Q V Q I F S F L L I S A

TCAGTCATACTGTCCAGAGGAGATATCCAGATGACCCAGTCTCCATCCTCCCTATCCGCA
S V I L S R G D I Q M T Q S P S S L S A

TCTGTTGGGGACAGGGTCACCATAACCTGTAGTGCCACCTCAAGTATAACTTACATGTCC
S V G D R V T I T C S A T S S I T Y M S

TGGTATCAGCAGAAGCCAGGAAAGGCTCCCAAGCTTCTGATTTATGACACATCCAACCTG
W Y Q Q K P G K A P K L L I Y D T S N L

GCTTCTGGGGTACCTAGCCGCTTCAGTGGCAGTGGGTCTGGGACCGACTACACACTCACA
A S G V P S R F S G S G S G T D Y T L T

ATCAGCAGCCTGCAGCCAGAAGATTTTGGCACTTATTACTGCCAGCAGTGGAGTAGTTAC
I S S L Q P E D F A T Y Y C Q Q W S S Y

CCGCTCACGTTTCGGTGGAGGGACCAAGGTTGAGATAAAACGTAAGTAGAATCCAAAGTCT
P L T F G G G T K V E I K

AGATATA

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FIG. 10

HuCTLA4-VH

TATATCTAGACCACCATGGCTGTCCTGGTGCTGTTCTCTGCCTGGTTGCATTTCGAAGC
M A V L V L F L C L V A F P S

TGTGTCCTGTCCCAGGTGCAGCTGCAAGAGTCAGGACCTGGCCTGGTGAAGCCCTCAAG
C V L S Q V Q L Q E S G P G L V K P S Q

ACACTGTCCTTGACTTGCACTGTCTCTGGGTTTTTCATTAACCTCATATGGTGTATATTGG
T L S L T C T V S G F S L T S Y G V Y W

GTTCGCCAGCCTCCAGGAAAGGGTCTGGAGTGGCTGGGAGTAATATGGGCTGGTGGTACC
V R Q P P G K G L E W L G V I W A G G T

ACAAATTATAATTTCGGCTCTCATGTCCAGACTGACAATCAGCAAAGACACATCCAAGAAC
T N Y N S A L M S R L T I S K D T S K N

CAAGTTTCCTTAAACTCAGCAGTGTGACTGCAGCGGACACAGCCGTCTACTACTGTGCC
Q V S L K L S S V T A A D T A V Y Y C A

CGAGGCCCCCGCACGCTATGATGAAGAGAGGCTATGCTATGGACTACTGGGGACAAGGA
R G P P H A M M K R G Y A M D Y W G Q G

ACCCTAGTCACAGTCTCCTCAGGTGAGTCCTTAAACCTCTAGATATA
T L V T V S S

APPROVED	C. G. FIG.	
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FIG. 11
Jurkat CTLA-4+ cell line

